

Presenter Biographies

Terri Adams-Fuller is an Assistant Professor of Administration of Justice at Howard University's Sociology and Anthropology Department. Her research has primarily focused on the examination of the social and cultural context of violent crime, crimes against women, and misogyny in popular culture. She was a Graduate Research Assistant at the National Institute of Justice's Mapping and Analysis for Public Safety Program (formerly known as the Crime Mapping Research Center), where she developed her Geographic Information Systems (GIS) skills. Dr. Adams-Fuller has worked as a Research Associate on various social science research projects at the American Sociological Association, the Institute for Crime Justice and Corrections, and the Institute for Public Safety and Justice. She has served as a consultant for a variety of organizations, including The Urban Institute, the District of Columbia's Fraternal Order of Police, and the District of Columbia's Department of Corrections. She has also conducted GIS training sessions for the National Black Police Association and the National Organization of Black Law Enforcement Executives.

Andrew Arana is the Juvenile Justice Information System (JJIS) and Crime Mapping Technical Director at the Ohio Office of Criminal Justice Services (OCJS). He manages a team of software developers, network analysts, and contractors that designs and writes computer programs that support the major functions of OCJS. Mr. Arana came to OCJS from ESRI, the largest maker of Geographic Information Systems software. He served as an Instructor Team Leader and as a programmer for ESRI's ModelBuilder software. Mr. Arana has nine years of experience in the Information Technology business and has a proven track record of defining and implementing solutions to business problems. He is a Microsoft Certified Solution Developer (MCSD) with skills in object-oriented programming and the software development life cycle.

Christopher Badurek is a Visiting Assistant Professor of Geography and Planning at Appalachian State University. His research interests include analysis of the spatiotemporal dimensions of crime and representing urban change with GIS. He has held an NSF-funded IGERT Fellowship in Geographic Information Science, focusing on research concerning GIS and crime analysis. He served as Research Assistant for the Project Safe Neighborhoods initiative of the Regional Community Policing Center and was a doctoral candidate at the State University of New York at Buffalo in the Department of Geography.

Michael Baggett is a Senior Systems Analyst in the Information Technology Department of the city of Savannah; he is assigned to the Savannah Area GIS (SAGIS) project. SAGIS is a conglomerate of local government and private industry working to provide regional GIS solutions for all sectors of local government and economic development. Mr. Baggett has previously applied his GIS expertise in the fields of humanitarian demining, water conservation, historic battlefield mapping, and land cover change detection. He has a Bachelor's degree in Geography with concentrations in GIS, digital cartography, and remote sensing.

Sean Bair is the Program Manager for the Crime Mapping and Analysis Program at the National Law Enforcement and Corrections Technology Center. His duties include establishing curriculum, providing technical assistance, supervising CMAP personnel, and instructing on a variety of GIS and analytical applications. Mr. Bair has trained over 2000 law enforcement

personnel in the use of GIS as a tool for the analysis and reduction of crime and calls for service. He is a former police officer with assignments as a field-training officer, sexual assault investigator, and certified general instructor. Prior to becoming a police officer, Mr. Bair was a Crime Analyst for the Tempe, Arizona, Police Department. In his five years as an analyst, he has performed all aspects of crime analysis, including tactical, strategic, and administrative crime analysis. Mr. Bair has over 20 years of computer programming experience and has written several software applications to improve police operations, including a Tactical Crime Analysis application that is in use by U.S. Military Intelligence, academic institutions, private corporations, and law enforcement agencies worldwide.

Michael Barndt served for 29 years on the Urban Studies faculty of the University of Wisconsin-Milwaukee, including 3 years as chair of the program. Since 1999, he has been Coordinator of the Data Center program at the Nonprofit Center of Milwaukee. The program offers GIS and data resources to local nonprofit organizations in the Milwaukee region. It is affiliated with the National Neighborhood Information Partnership, acts as a distribution source for U.S. Census information, and collaborates with the city of Milwaukee, the University of Wisconsin, the Milwaukee Public Schools, the Annie E. Casey Foundations, and others. The Data Center was a partner in the DOJ-funded COMPASS program; it is currently a part of the Reentry Mapping Network organized by The Urban Institute. Dr. Barndt has written and presented on a wide variety of topics relevant to neighborhood use of information and technology: public participation GIS (PPGIS), community networking and information systems, comprehensive local data clearinghouse systems, and methods of spatial analysis. He received his Ph.D. in Organizational Behavior from Case Western Reserve University.

Katrina Baum has been a Statistician at the Bureau of Justice Statistics (BJS), U.S. Department of Justice, since 2003. At BJS, Dr. Baum researches identity theft and stalking, as well as victimization and offending among juveniles and young adults. Over the last 10 years, her research has included projects related to policing, firearms, and geographic information systems. She previously worked as a consultant to various law enforcement agencies. Dr. Baum received a Ph.D. from the University of Pennsylvania, an M.S. from Northeastern University, and a B.A. from the University of California, Santa Barbara.

Stacy Belledin is a Crime Analyst for the Jacksonville, Florida, Sheriff's Office. She focuses on analysis to the homicide and robbery units, and contributes to special projects and problem analysis. Ms. Belledin is a member of the Florida Crime & Intelligence Analyst Association (FCIAA), a member of the International Association of Crime Analysts (IACA), and is Speaker Chairperson for the 2005 IACA Conference. She holds a B.S. in Criminal Justice from Indiana University and is currently pursuing her M.S. in Criminal Justice Studies at Florida State University.

Wim Bernasco works at the Netherlands Institute for the Study of Crime and Law Enforcement (NSCR). His research activities focus on the spatial and temporal analysis of crime and delinquency, using both large-scale victimization survey data and police recorded crime and offender data. Mr. Bernasco's specific interests are the introduction of spatial effects in ecological explanations of crime distributions, the development of methods for analyzing criminal location choice, the theory of geographic offender profiling, and the analysis of

contagion-like processes in the spatial and temporal distribution of crime. He studied Social Psychology at Leiden University, the Netherlands, specializing in topics of law enforcement (juvenile police policy, self-destructive behavior in prison).

Andrew A. Beveridge is Professor of Sociology at Queens College and the Graduate School and University Center of the City University of New York. He directs the Social Research Office in the Sociology Department. Working with Ahmed Lacevic, he developed SocialExplorer, an application that allows the display in a fully interactive manner of maps and data showing crime, social factors, geographic features, and the like. This work was funded by the National Science Foundation, *The New York Times*, the CUNY Institute of Software Development and Design, and other sources. Dr. Beveridge has applied computer methods to teaching and research in sociology, including statistical analysis, geographic information systems, and multi-media. These activities have received support from IBM and repeated support from the National Science Foundation. Since 1993, Dr. Beveridge has been a consultant to *The New York Times*, which has published a series of news reports and maps based upon his analysis of census data. He has also consulted in a number of civil rights cases. Dr. Beveridge received his Ph.D. and M.Phil. in Sociology from Yale University and his B.A. in Economics from Yale College.

Richard Block, Professor of Sociology and Criminal Justice at Loyola University Chicago, has been studying the relationship between crime and community for the last 27 years. His first study of the geographic distribution of crime was published in 1977. He is widely recognized for his work in the development of geographic information systems (GIS) for crime analysis and database management. Dr. Block participated in the development of the ICAM computer mapping facility of the Chicago Police Department and has advised many other departments on computer mapping and the spatial analysis of crime patterns. His current research includes the characteristics of space and place, such as rapid transit stations and specific housing complexes, that lead to increased risk of crime; the distance traveled by offender and victim in violent crime incidents; development of new techniques for cluster analysis and visualization of crime patterns; and the application of GIS techniques to study environmental stressors related to breast cancer.

Rachel Boba is an Assistant Professor at Florida Atlantic University in the Criminology and Criminal Justice Program. She teaches methods of research, criminal justice systems, crime prevention, problem solving, and analysis in policing as well as conducts research in the areas of problem solving, problem analysis, crime analysis, crime mapping, regional data sharing, and technology in policing. From 2000 to 2003, Dr. Boba was Director of the Police Foundation's Crime Mapping Laboratory, where she directed federally funded grants in the areas of crime analysis and crime mapping, problem analysis, and school safety. Prior to her position at the Police Foundation, she worked as a crime analyst at the Tempe, Arizona, Police Department for five years, where she conducted a wide variety of crime analysis and crime mapping work as well as applied research and evaluation. She holds a Ph.D. and an M.A. in Sociology from Arizona State University and a B.A. in English and Sociology from California Lutheran University.

Charles Branas is an Assistant Professor of Epidemiology at the University of Pennsylvania in Philadelphia, a Senior Fellow of the Leonard Davis Institute for Health Economics, a Faculty Associate of the Institute for Urban Research, and an epidemiologist with the Firearm Injury Center at Penn. He works to improve health and healthcare and is recognized for his studies to reduce gun violence and improve emergency medical care. With numerous scientific publications, he often leverages science to dispel popular myths and to inform truthful public policy. Most recently, his work on the comparative risk of being shot in big cities and small towns, as well as the federally funded Philadelphia Gun and Alcohol Study, have made news and informed the public debate over gun control. Other prominent research that he directs includes a study of access to emergency medical care in the U.S. and its implications for homeland security. Professor Branas is regularly invited to speak before local, national, and international audiences and sits on several boards and scientific panels at the Centers for Disease Control, the National Institutes of Health, the American Trauma Society, the American Public Health Association, and elsewhere. Dr. Branas completed his undergraduate training at Franklin and Marshall College, his doctoral training at the Johns Hopkins School of Public Health, and a postdoctoral fellowship at the University of California, Berkeley. He also concurrently trained as a paramedic with the Philadelphia and Baltimore Fire Departments and worked for the U.S. Public Health Service in Washington, D.C.

Timothy M. Bray is on faculty at the School of Social Sciences at the University of Texas at Dallas. Prior to earning his doctorate, he served as an Assistant Bureau Chief with the Illinois State Police, where he headed the strategic and operational research units; he was awarded the Achievement Medal for his innovative approach to solving contemporary and traditional policing issues. Dr. Bray also worked in areas of strategic planning and performance measurement, then in an advisory capacity to the department's Deputy Director for the Information and Technology Command. Dr. Bray served for three years as a pre-doctoral fellow with the National Consortium on Violence Research (NCOVR). While with NCOVR, he was associated with the time and space working group, where he was exposed to techniques for modeling the geographic and temporal distribution of violent crime. He received his Ph.D. in Criminology and Criminal Justice from the University of Missouri-St. Louis.

Devon D. Brewer is Director of Interdisciplinary Scientific Research (www.interscientific.net) in Seattle and an affiliate assistant professor of anthropology, psychology, and sociology at the University of Washington. His research interests include social networks, infectious disease, drug abuse, sexual behavior, violence, memory and cognition, evolutionary psychology, and research methods and statistics. Mr. Brewer is the principal investigator of an NIJ-funded research project – Clients of Prostitute Women: Deterrence, Prevalence, Characteristics, and Violence.

Katharine Browning is a Social Science Analyst in the Crime Control and Prevention Research Division, Office of Research and Evaluation at the National Institute of Justice. Her past positions include Social Science Program Specialist at the Office of Juvenile Justice and Delinquency Prevention, Evaluation Specialist in the Research Center of the Virginia Department of Criminal Justice Services, and Visiting Assistant Professor at the University of

North Florida. Dr. Browning received a B.A. in Psychology from Clemson University, an M.S. in Administration of Justice from Virginia Commonwealth University, and a Ph.D. in Criminology and Criminal Justice from the University of Maryland.

Christopher W. Bruce has been a crime analyst for 11 years, 7 years at the Cambridge, Massachusetts, Police Department and 4 years at the Danvers, Massachusetts, Police Department. Mr. Bruce is the Vice President of Administration for the International Association of Crime Analysts (IACA) and Past President of the Massachusetts Association of Crime Analysts. He teaches Crime Mapping and Analysis for Suffolk University's Graduate Program in Criminal Justice. Mr. Bruce is one of the editors of *Exploring Crime Analysis*, a 2004 IACA publication.

Rebecca Bucht is a doctoral student specializing in Forensic Science at the Criminal Justice Program of the Graduate Center of the City University of New York. She is also an Adjunct Instructor at the Science Department of John Jay College of Criminal Justice. Ms. Bucht received her Bsc. Hons. in Forensic Science from the University of Glamorgan, Wales.

Frances Frick Burden has a primary focus of study that uses GIS to understand communities and crime. Over the past four years, Ms. Burden has worked for and with the Geographic Information Analysis Core in the Population Research Institute at Penn State. She has worked on projects involving rural poverty in North Carolina, the spatial dispersion of churches in Chicago, and parolees and their neighborhoods in Georgia. She is currently a Ph.D. candidate in Pennsylvania State University's Crime, Law, and Justice Program.

Robert B. Burns is a Geographic Information Systems (GIS) scientist for Lockheed, with over six years of experience as an analyst and technical lead. As a degreed geographer and trained GIS and CAD systems expert, he has created complex overlays including transportation, communications, infrastructure, and weapons effects analyses displayed in comprehensive assessment portfolios. Prior to joining Lockheed, he played a key role in the development of threat and vulnerability assessment databases, threat and vulnerability assessment templates and portfolios, 3D weapons analysis tools, and 3D digital elevation models. Mr. Burns has extensive GIS experience with environmental agencies, federal agencies, and local governments. He has worked on specification, acquisition, installation, and operation of ESRI systems for the city of Baltimore, WMATA, and the Maryland Mass Transit Administration.

Hyuk Byun is a Program Executive with the National Institute of Justice. He has program oversight responsibilities for all information technology and communication related programs at NIJ. He brings to NIJ 15 years of telecommunications, IT and entrepreneurial experience. Before working for NIJ, Mr. Byun was Vice President of Product and Technology Development with AT&T Wireless. He has been part of two successful start-up companies in the Washington, D.C., area, and he continues to advise a number of technology start-ups and venture capital companies. Mr. Byun holds patents in telecommunications technology and has Bachelor's and Master's degrees in Electrical Engineering from the University of Virginia.

Eric Cadora directs the newly formed Justice Mapping Center, where he oversees the use of geographical analyses to help corrections departments and policymakers understand and

address the spatial dimensions of incarceration, parole/probation supervision, and reentry. The Justice Mapping Center works in close collaboration with the JFA Institute, which provides a range of analytical services to corrections and government. He also partners with Columbia University's Spatial Information Design Lab to develop new spatial analyses that better visualize criminal justice policy and practice. Mr. Cadora served as the Program Officer for grant making at the Open Society Institute's (OSI) After Prison Initiative from 2001 through 2004. He joined OSI after 14 years at the Center for Alternative Sentencing and Employment Services (CASES), New York's largest running intermediate sanction program, where he oversaw its Information Systems, Research, and Policy units. Mr. Cadora is co-author of *Community Justice*, a primer on the history of problem-solving, neighborhood-level, criminal justice reform in community policing, community courts, neighborhood probation, and corrections. Together with Charles Swartz, he has published mapping studies for The Urban Institute, the Council of State Governments, New Jersey Institute of Social Justice, and the U.S. Department of Health and Human Services.

Meagan E. Cahill is currently working as an independent consultant with The Urban Institute's Justice Policy Center to incorporate crime mapping and spatial analysis into several evaluation projects. She is also a consultant for the Udall Center at the University of Arizona, contributing to a project on Alaska Native self-governance.

David V. Canter, a Chartered Forensic Psychologist, has been directing the Centre for Investigative Psychology at the University of Liverpool for 10 years. Focusing on the contribution of scientific psychology to police work, the Centre educates, conducts research, and consults with major police forces throughout the world. Dr. Canter has published widely on the spatial behavior of offenders and contributed to a number of police investigations using the processes derived from his research summarized in his recent book, *Mapping Murder*, which was also a documentary series he wrote and presented on BBC America. His studies have resulted in systematic challenges to popularly quoted typologies of offenders and offered alternative, empirically based classification schemes. Dr. Canter has also published on approaches to the behavioral and geographical linking of cases to a common offender. His studies of geographical profiling have given rise to the Dragnet system that is now used by a number of law enforcement agencies around the world.

Philip Canter is Chief Statistician of the Baltimore County Police Department, where he manages the department's GIS. Mr. Canter is also a senior lecturer in the Department of Geography and Environmental Planning at Towson State University. He has extensive experience in both crime analysis and in urban planning. Mr. Canter received the Maryland Crime Prevention Award for his innovative use of technology for Baltimore County's autodialer and crime information statistics hotline; he has received numerous certificates of recognition and appreciation from Baltimore County. He has published seven articles on computer mapping, including a state-of-the-art review of point pattern analysis. Mr. Canter holds an M.A. in Urban Planning and Policy Analysis.

Joel M. Caplan currently works with the Cartographic Modeling Lab at the University of Pennsylvania, where he is actively involved in a variety of GIS projects dealing with emergency medical services, law enforcement, public health, and mental health. He also consults and

provides in-service training to city and state agencies, non-profit organizations, and private businesses in Pennsylvania and New Jersey. Mr. Caplan has served as a police officer in New Jersey, a graduate student intern at the Atlantic County Prosecutor's Office in New Jersey, and a research associate at the Police Institute, where he worked as a crime mapper and data manager on the Greater Newark Safer Cities Initiative and the Gun Strategy Pilot Program. His most recent research includes a study that uses GIS to assess the residential segregation of persons with psychiatric disabilities in Philadelphia, a meta-analysis that benchmarks pre-hospital transport times for trauma patients in the United States, a forthcoming criminal justice encyclopedia chapter on police booking, and a national survey of paroling authorities which addresses the philosophical foundations of parole, its mission, the professional competencies of paroling authorities, and the current state of parole in the U.S. He is pursuing his Ph.D. in Social Welfare Policy at the University of Pennsylvania.

Spencer Chainey is Director of Geographical Information Science at the Jill Dando Institute of Crime Science, University College London. The Jill Dando Institute (JDI) is the first Institute in the world devoted specifically to reducing crime. It does this through teaching, research, public policy analysis, and by the dissemination of evidence-based information on crime reduction. Mr. Chainey is one of the pioneers in the field of crime mapping (working with police forces, community safety partnerships, CENTREX, the Home Office in the U.K., and with law enforcement and justice departments in the U.S., Brazil, Australia, and New Zealand). Prior to joining JDI, he was head consultant at a geographical information services company, InfoTech Europe (2000–2003), and worked in local government in London on Geographical Information Systems (GIS), community safety, information sharing, housing development and regeneration projects (1996–2000). Mr. Spencer is an elected Council member of the U.K.'s Association for Geographic Information (AGI), was the elected Chair of the AGI for 2003, and chairs the AGI Crime and Disorder Special Interest Group. His work in crime mapping and analysis, information sharing, neighborhood renewal, and social exclusion analysis is recognized and used as examples of good practice by the Cabinet Office (Social Exclusion Unit), the Office of the Deputy Prime Minister, the Home Office, the Audit Commission, the Housing Corporation, and the United States Department of Justice. His work is much published and includes the soon-to-be-released U.S. Department of Justice publication, "Mapping Crime: Understanding Hotspots," and a definitive book on GIS and crime mapping, *GIS and Crime Mapping* (2005), with J. Ratcliffe. He has a B.Sc. degree in Geography (Kingston University), a Master of Science degree in GIS (University of Edinburgh), and is currently reading for his Ph.D. at University College London.

Sharon E. Chamard is an Assistant Professor with the Justice Center at the University of Alaska, Anchorage. She has conducted research on the diffusion of criminal justice innovations and recently collected data from the Anchorage Police Department on the nature and incidence of youth violence in Anchorage. Dr. Chamard is currently carrying out separate studies investigating instruction in crime prevention and loss prevention in business schools in the United States, fear of crime and use of community resources in one Anchorage neighborhood, the role of transportation access in auto thefts in Alaska, and the adoption of problem-oriented policing and computerized crime mapping among American police departments. Her Ph.D. is from the School of Criminal Justice at Rutgers University-Newark.

Brett Chapman is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice. As a member of the Crime Control and Prevention Research Division, he is responsible for the assessment, development, and evaluation of a number of policing issues. His current projects include the Community Mapping, Planning and Analysis for Safety Strategies (COMPASS); Law Enforcement and Family Support field tests; and the Minority Trust and Confidence in the Police project. Mr. Chapman's other research interests include death penalty issues, firearms violence, violence prevention, community-oriented policing, and issues involving drugs and crime. Before joining NIJ, Mr. Chapman was an instructor at the University of Maryland at College Park, where he taught courses in criminological theory, advanced theory, and drugs and crime. He was previously employed as a Pretrial Services Officer at the D.C. Pretrial Services Agency in Washington, D.C., where he performed a number of supervisory functions in the Pre-Release, Post-Release, Failure to Appear, and Intensive Supervision units. Mr. Chapman received his M.A. in Criminology and B.A. in Criminal Justice at the University of Maryland at College Park. He is currently completing his doctoral requirements at the same institution.

Ronald V. Clarke is University Professor at Rutgers University; he is also Visiting Professor at the Jill Dando Institute of Crime Science, University College London. He was employed for 15 years in the British government's criminological research department, where he had a significant role in the development of situational crime prevention and the British Crime Survey. He is the founding editor of *Crime Prevention Studies* and is author or joint author of nearly 200 books, monographs, and papers, including *The Reasoning Criminal* (Springer-Verlag, 1986), *Situational Crime Prevention: Successful Case Studies* (Harrow and Heston, 1997), *Superhighway Robbery* (Willan Publishing, 2003), and *Become a Problem Solving Crime Analyst* (Jill Dando Institute, 2003).

Jason Dalton is Program Director for the Virginia Institute for Justice Information Systems at the University of Virginia. He has worked in crime mapping research and applications for nine years and regularly advises police jurisdictions in Virginia on designing their crime analysis units and procedures. His current work involves automated spatial data translation and transfer via the Internet, and spatial modeling for law enforcement, defense, and intelligence applications. Mr. Dalton is also the Vice President of Research and Development for the Spatial Data Analytics Corporation in Vienna, Virginia.

Luc de Montigny is a Canadian spatial analyst pursuing his doctoral studies in the University of Washington's Interdisciplinary Urban Planning and Design Program. He is employed as a research assistant in the Urban Form Lab, University of Washington, where he does urban planning and design consulting work in Canada and China. Mr. de Montigny's substantive interests include the use of public space by marginal groups and crime prevention through environmental design (CPTED). He is currently investigating how the built environment influences the behavior of injection drug users (IDU) and how urban design could be used in harm reduction efforts. This research is a step toward conceptualizing a behavior model for IDU, for whom traditional rational models may apply poorly; it may also serve as a starting point for quantitative studies of IDU territoriality. Methodologically, Mr. de Montigny is interested in adapting GIS-based tools from other disciplines to the analysis of the effects of the built environment on human behavior.

Scott H. Decker is Curators Professor of Criminology and Criminal Justice at the University of Missouri-St. Louis. Professor Decker's primary research areas include criminal justice policy, gangs, violence, and the offender's perspective. He is the research partner for the Juvenile Accountability Incentive Block Grant program in St. Louis and directed the evaluation of the Strategic Approaches for Community Safety Initiative (SACSI) in St. Louis. He serves as Co-Principal Investigator for the Missouri Attorney General's Racial Profiling Study. Currently, Professor Decker is the Research Partner for Project Safe Neighborhoods in the Southern District of Illinois and the Eastern District of Missouri. He is author or co-author of numerous books; the most recent include *European Street Gangs and Troublesome Youth Groups* (Alta Mira Press, 2005), *Confronting Gangs* (Roxbury, 2002), and *Policing Gangs and Youth Violence* (Wadsworth, 2002). He is also co-author (with G. David Curry) of the evaluation of the SafeFutures Program in St. Louis. Professor Decker received a B.A. in Social Justice from DePauw University and a M.A. and Ph.D. in Criminology from Florida State University.

Robert S. Done has more than a decade of experience as a criminal investigator for Pima County, Arizona. His research on applied public policy issues is regularly presented at national venues and published in peer-reviewed journals. Currently, Dr. Done serves as an evaluation specialist for the Pima Prevention Partnership, a community-based organization in Tucson, Arizona. He has earned a B.S. in Criminal Justice Administration, Missouri Southern State University; an M.P.A., University of Arizona; and an M.S. and Ph.D in Management, University of Arizona.

Dan Drake is the Law Enforcement Committee Coordinator (LECC) for the U. S. Attorney's Office for the Southern District of Georgia. He represents Lisa Godbey Wood, the United States Attorney for the Southern District of Georgia, in various activities. He has over 30 years of experience in law enforcement. His primary role has been to improve cooperation and coordination among the district's Federal, State, and local law enforcement agencies. As a part of this role, Mr. Drake provides specialized training, assists in applying for grants, and administers U.S. Department of Justice crime reduction programs for State and local agencies. Two of these programs are the Weed and Seed Program and Project Safe Neighborhoods (PSN). The local name for PSN is Project CeaseFire.

Safa F. Egilmez initially started his career as a dentist in Turkey. He currently works for the Santa Monica Police Department and is in charge of implementing crime mapping to department-wide terminals and patrol vehicles, and integrating GPS-enabled technologies with wireless capabilities to existing systems. He is also in charge of forecasting resources needed for the upcoming years and the Neighborhood Centered Policing Program in order to integrate community policing with GIS technology. His main concentration in crime mapping is spatial displacement of crime and integration of new technologies with crime mapping. He has done research on crime influencing factors on crime rates, integration of other technologies with crime mapping, as well as displacement of crime and journey after the crime. After immigrating to U.S., he earned B.S. in Criminal Justice and Biology at University of Great Falls, Montana, an M.S. in Criminalistics at California State University, Los Angeles. He is currently doing his second M.S. in GIS Analysis at California State University, Northridge. He started his crime analysis career at the Los Angeles County Sheriff's Department.

Stanley A. Erickson currently works for the Department of Justice as Chief of the Research and Technology Development Division, which is responsible for managing the technology development effort, excluding forensics, of the National Institute for Justice. As a civilian scientist, he worked for the U.S. Navy, where he developed one of the first simulations of a weapon, the MK48 torpedo. He worked at the Lawrence Livermore National Laboratory on nuclear weapon requirements, design, and deployment; and he has led projects on new nuclear weapon specifications, nuclear-powered weapon concept development, conventional weapons, and armor specifications. After Dr. Erickson left the weapons program for non-proliferation work, he led the initial design of the second line of defense program, worked on intelligence agency data analysis programs, managed Russian customs training contracts, and led a program in Uzbekistan on nuclear border detection. Before and during Operation Iraqi Freedom, he worked for the U.S. Air Force on SCUD missile hunting in Iraq and was responsible for the development of a new methodology for long range planning for weapon specification and acquisition. Dr. Erickson has been President of his professional society, the Military Analysis Society (in INFORMS), and was chairman of the non-proliferation working group within the Military Operations Research Society. He has served local governments on economic growth enhancement, energy supply, and city master planning. He has been a member of the Board of Directors of the San Francisco Sierra Club Chapter. Dr. Erickson received his Ph.D. in Mathematical Astrophysics, from the Massachusetts Institute of Technology.

David Felcan is a GIS software developer with Avencia, Inc. His past work includes working with a team responsible for extending and maintaining a sophisticated billing application, an Internet start-up where he developed web-based data analysis tools for a variety of clients, and building a data warehouse and reporting suite based on SQL Server and Cognos. Other responsibilities included building and maintaining in-house productivity applications in Visual Basic and Access, consolidating and coordinating data within the company and assisting in the developing the company's IT strategies. Mr. Felcan is an experienced ArcObjects and .Net developer and has particularly strong algorithm development, software engineering, and optimization skills.

Thomas E. Feucht serves as Assistant Director for Research and Evaluation at NIJ, where he heads the Office of Research and Evaluation (ORE). His prior positions at NIJ include Director of the Drug Use Forecasting Program (later the Arrestee Drug Abuse Monitoring Program); Director of the Crime Control and Prevention Division, ORE; Chief of Staff to the Attorney General's Methamphetamine Interagency Task Force; and Deputy Director of ORE. Dr. Feucht has conducted research in the areas of substance abuse, intravenous drug use and HIV, prostitution, prison drug use, school violence, and criminal justice research policy. He has published extensively in the area of substance abuse and crime.

Katie M. Filbert is a Research Associate (contractor) with the MAPS program. She supports MAPS research efforts and maintains the MAPS website. She has interest in spatial data analysis, geographic profiling, and spatial technologies, as applied to criminology, criminal justice, and law enforcement practice and policy. She also has professional experience working

on local, state, and federal government GIS projects. She earned a B.S. in 2000 from Pennsylvania State's Department of Geography, specializing in GIS. She is soon to earn a Master's degree in Earth Sciences (Geography) from the University of Alberta.

James Fort is a Senior Librarian with the National Criminal Justice Reference Service (NCJRS). He provides research and reference services to U.S. Department of Justice staff and plans and implements online searching classes for DOJ staff and audiences at professional conferences. Before joining NCJRS in 1999, Mr. Fort worked at the University of Maryland libraries. He received a B.A. in American Studies from the State University of New York at Oswego and holds a Master's degree in Library Science from the University of Maryland.

Noah J. Fritz is Deputy Director of the National Law Enforcement and Corrections Technology Center and founder of the Crime Mapping and Analysis Program (CMAP)—a Department of Justice sponsored training and technical assistance program. He is also serving a second term as President for the International Association of Crime Analysts (IACA). Dr. Fritz is currently teaching a course for the Police Leadership Executive Development Program that leads to a Master's degree in Public Affairs at the University of Colorado-Denver. He is also an adjunct professor in the Sociology/Criminology Department at the University of Denver, where he teaches Research Methods, Social Statistics, Juvenile Delinquency, and Applied Criminology: Crime Mapping and Analysis. Dr. Fritz has authored articles in the *Sociological Quarterly*, the *Encyclopedia of Criminology and Deviant Behavior*, publications for the National Institute of Justice, IACA's *Exploring Crime Analysis*, and has appeared nationally and internationally on TV and radio as an advocate for crime mapping and crime analysis. He received his undergraduate degrees in Sociology and Criminal Justice from Illinois State University, and a Master's degree and Ph.D. (ABD) in Justice Studies from Arizona State University.

Gerald Gaes is a Visiting Scientist at the National Institute of Justice and a criminal justice consultant. He joined the Bureau of Prisons in 1980 and worked in the Office of Research, where he served as Director from 1988 until his retirement in 2002. Dr. Gaes' research interests include prison privatization, prison performance, evaluation of prison programs, evaluation methodology, spatial analysis of crime, simulating criminal justice processes, and cost-benefit analysis of criminal justice interventions. His most recent journal publications have appeared in *Criminal Justice Review*, *Criminology and Public Policy*, *Punishment & Society*, *Justice Quarterly*, and *Crime and Delinquency*. His book, *Measuring Prison Performance: Government Privatization and Accountability*, co-authored with Scott D. Camp, Julianne B. Nelson, and William G. Saylor was published by AltaMira Press in 2004. Dr. Gaes received his Ph. D. in Social Psychology from the University of Albany in 1980.

Robert Gamble is with the Greenville, South Carolina, Police Department, where he is responsible for managing the accreditation process for the department as well as supervising the Crime Analysis Unit. Sergeant Gamble began using GIS for crime analysis in 1998 and has expanded the department's GIS capabilities to a wide range of applications that include traffic collision mapping and analysis. Prior to entering the field of law enforcement, Sergeant Gamble served as a firefighter and paramedic. He holds a Master's degree in Public Administration and is in ABD status for a doctorate in public administration.

Mary Garrand supervises the Crime Analysis Unit for the Alexandria, Virginia, Police Department. Her duties include overseeing the tactical analysis of crime series and trends as well as the strategic analysis of crime within the city's community oriented policing (COP) areas. She has worked on several long-term mapping projects within Community Support areas and with Vice/Narcotics detectives. She was instrumental in implementing a mobile crime analysis intranet page for officers to use in the field. By using mobile data browser technology, she was able to work with staff to implement this new method of distributing crime analysis information. Ms. Garrand serves as the Training Representative for the Virginia Crime Analysis Network (VCAN) and is an instructor for NLECTC's Crime Mapping and Analysis Program (CMAP). She also teaches Crime Mapping and Analysis through the Continuing Education Program at George Mason University. Prior to joining the Alexandria Police Department, Ms. Garrand was a Research Associate for the Justice Research and Statistics Association (JRSA) as well as a Crime Analyst with the Fairfax County, Virginia, Police Department. She holds a M.S. in Justice, Law and Society from American University and a B.A. from Fordham University.

Christopher S. Gebhardt is currently an Officer with the Taylorsville City Police Department. He serves as the Department's IT Manager and is part of the Utah CyberCrime Task Force. Mr. Gebhardt has been involved in crime mapping since 1990. He assisted with the steering committee for the Crime Mapping Resource Center (CMRC) and has spent several years in the private sector as well. Mr. Gebhardt also served as a Lieutenant with the Metropolitan Police Department in Washington, D.C., where he commanded the Tactical Crime Analysis Unit. He has written several articles on crime analysis and mapping.

Andrew L. Goldberg has been a Social Science Analyst with NIJ since 1999 and serves as a corrections expert for the Justice Systems Research Division in the areas of prison sexual violence and probation and parole. He is also responsible for overseeing research projects on corrections management, mental health in corrections, and GIS for corrections. From 1995 to 1999, Mr. Goldberg worked for the Bureau of Justice Statistics, where he collected and analyzed law enforcement data. He holds an M.A. in Criminal Justice from the University at Albany, State University of New York, and a B.A. from Drew University in Political Science and Theater Arts.

Wilpen L. Gorr is Professor of Public Policy and Management Information Systems at the H. John Heinz, III School of Public Policy and Management. His research interests include crime mapping and forecasting. He is past editor of the *International Journal of Forecasting* for which he recently edited the Special Section on Crime Forecasting. Dr. Gorr is also page master for crime forecasting on Scott Armstrong's ForecastingPrinciples.com Web site.

Elizabeth Groff is a Senior Research Associate at the Institute for Law and Justice. The main focus of her career has been on applying spatial analysis techniques to criminal justice issues. She initiated the use of GIS in the Research and Planning Bureau of the Charlotte-Mecklenburg Police Department during the mid-1990s and gained national level experience while working at the National Institute of Justice's Crime Mapping Research Center, where she promoted the use of analytic mapping in criminal justice agencies. Ms. Groff is a doctoral candidate at the University of Maryland in the Geography Department, where her primary research interest is in modeling the spatio-temporal dynamics of crime at the micro level.

Gina Penly Hall is a doctoral student in the School of Criminal Justice at the University at Albany, State University of New York and a Research Assistant for the Rochester Youth Development Study (RYDS). Her research interests include contextual and spatial effects on delinquency and crime, and the etiology of delinquent behavior.

Patrick Hansen is currently working towards a Masters' degree in Systems Engineering at the University of Virginia in Charlottesville, Virginia. He lived, until recently, in Kansas City, Missouri, where he received a B.S. in Computer Science at the University of Missouri - Columbia.

Frank Hardisty is Assistant Professor of Geography at the University of South Carolina. Dr. Hardisty is interested in a wide range of GIScience issues—especially those concerning geovisualization (making spatial and temporal patterns apparent to the senses) and geocomputation (using machine computational power to discover or confirm spatial and temporal patterns). To pursue these interests, his research efforts have involved creating effective software for the visual and numerical analysis of geographic phenomena. Dr. Hardisty has published papers in numerous journals and conference proceedings. He currently is a co-investigator on a Centers for Disease Control/NIH grant to examine the spatial dimensions of prostate cancer. He received his Ph.D. from Pennsylvania State University in 2003.

Keith Harries is a Professor of Geography at the University of Maryland, Baltimore County. Most of his dozen published books relate to the geographic aspects of crime and punishment; they include *Mapping Crime: Principle and Practice*. Dr. Harries' recent publications include "Applications of Geographic Information Systems in Parole and Probation," *Perspectives, Journal of the American Probation and Parole Association*; "Locational Precision in Crime Analysis: A Case Study in Baltimore County, Maryland, Justice Research & Policy" (with P. Canter); "Police Officers' Perceptions of Maps and Aerial Photographs," *International Journal of Police Science and Management*, (with P. Canter); and "Cohort Trajectories and Violence: Baltimore City, 1990-2000," *Urban Geography*.

Andrew Hart is Manager of GIS and Mapping Services for the Center City District (CCD) in Philadelphia Pennsylvania. The CCD is a Business Improvement District whose aim is to enhance to vitality of Center City Philadelphia. Mr. Hart's main task is working closely with the Philadelphia Police Department's Center City District Substation as a Crime Analyst. As a Crime Analyst with the Philadelphia Police Department, he worked in the Crime Mapping and Analysis Unit, where he provided supporting material for CompStat meetings and implemented a notification system for prison releases that was distributed weekly to police districts in Philadelphia. Through the School of Social Work's Center for Research on Youth and Social Policy at the University of Pennsylvania, Mr. Hart worked as a Database and Systems Administrator for a GIS application used for tracking purchases, use, and recovery of firearms in Philadelphia. Mr. Hart has also provided consulting services with a telecommunications and technology company in the field of GIS Application Development, Enhanced 9-1-1, ALI Database Management and Radio Propagation mapping.

Juanita Heimann is an Epidemiologist with public health agencies in Seattle and King County, Washington. She works in the Epidemiology, Planning and Evaluation Unit, where she performs data analysis and mapping for public health assessment. Ms. Heimann holds two Master's degrees, one in nursing, the other in public health.

Dan Helms is the GIS and Crime Analysis Specialist for the Crime Mapping and Analysis Program through the National Law Enforcement and Corrections Technology Center (NLECTC). His professional focus is the application of innovative intelligence, military, law enforcement, and scientific techniques to the field of crime analysis. His primary duties include instructing the basic and advanced crime mapping courses as well as developing course curricula, presenting at conferences, and providing technical assistance to local, state, and federal law enforcement and corrections agencies. Mr. Helms is the developer and implementer for CATCH, the Crime Analysis Tactical Clearing-House, an innovative task-force assistance mechanism for local law enforcement agencies with serial crime problems. He is a specialist in serial crime task forces and analysis, and has worked on more than 100 crime series. Mr. Helms is also Director of Analysis for Bair Software, Research & Consulting, Inc. He is the developer of TimeScan temporal crime analysis software, as well as GeoGenie and GeoGenie Enterprise, data cleaning and geocoding software, and Trend Tracker, a crime pattern tracking tool for law enforcement. Mr. Helms is a former Crime Analyst for the Las Vegas Metropolitan Police Department and a former intelligence specialist with the U.S. Air Force.

Steven R. Hick is the GIS Director and a faculty member in the Department of Geography at the University of Denver. For the past ten years, he has been directing the Geographic Information System education and research activities in the Department. He is currently the Director of the GIS Certificate Program and was instrumental in the creation of one of the nation's first Master of Science degrees in Geographic Information Science. During the past five years, Mr. Hicks has also been an instructor in the Crime Mapping and Analysis Program, working with the National Law Enforcement and Corrections Technology Center, a National Institute of Justice program at the University of Denver. He provides crime mapping and analysis technical assistance to law enforcement agencies across the country.

Douglas Hicks has been a Crime Analyst at the Minneapolis Police Department (MPD) for over 20 years; he is currently assigned to the CODEFOR Unit (the Minneapolis equivalent to COMSTAT). He is responsible for GIS functions, crime analysis, special information requests/projects, and multi-agency database integration. He received the Chief's Award of Merit in 2002 for developing an Automated Email Alert system for the MPD. Mr. Hicks is a past officer of the International Association of Crime Analysts and has served on several of its committees. He is also a past President and Vice President of the Minnesota Association of Criminal Intelligence Analysts. He received his Bachelor's degree in Psychology from the College of William and Mary in Virginia and a Master's degree in Criminology from Florida State University. He currently teaches Spatial Aspects of Crime at Century College in White Bear Lake, Minnesota.

Robert L. Hubbs began his career with the Knoxville Police Department in 1979. He was assigned to the Repeat Offender Unit from 1987 to 1989 and was promoted to Criminal Investigator in 1989. He worked in the Organized Crime/Criminal Intelligence Unit from 1989

to 1992. In 1992, he was promoted to Sergeant; he worked as a patrol Sergeant until 1994. From 1994 to 2004 he was head of Crime Analysis/Operations Analysis and GIS Coordinator of the Knoxville Police Department. Promoted to Lieutenant in 2000, he assumed command of approximately 30 officers from the Mid-Watch Patrol Squads F and G and the West District Street Crimes Unit in December 2005.

Donald G. Janelle is a Research Professor at the University of California, Santa Barbara (UCSB) and Program Director for the Center for Spatially Integrated Social Science (CSISS), an NSF-funded national infrastructure program for the social sciences at UCSB. He was on the faculty of the University of Western Ontario for 30 years, where he chaired the Department of Geography for five years. Dr. Janelle's research and publications are based broadly within geography and affiliated social and behavioral sciences. The primary themes include space-time analyses of individual behavior, the time-geography of cities, the temporal-spatial ordering of social systems, locational conflict analysis, social issues in transportation, and the role of space-adjusting technologies in structuring new patterns of social and economic organization. His most recent book, *Spatially Integrated Social Science* (Oxford University Press, 2004), with Michael Goodchild, is the primary publication from the CSISS project that is intended to showcase research methodologies in spatial social science. Dr. Janelle edited *The Canadian Geographer*, the official refereed journal of the Canadian Association of Geographers, and served as a past chair of the Publications Committee for the Association of American Geographers.

Calvin C. Johnson is Director of the Office of Research and Evaluation at the Court Services and Offender Supervision Agency for the District of Columbia (CSOSA). He is responsible for directing agency-wide performance measurement and program evaluation activities. He is co-chair of the Research Review Committee – a joint CSOSA and Pretrial Services Agency research committee responsible for advising the agencies' directors on the feasibility of proposed research (internal and external). Dr. Johnson is also a member of the intra-agency review board responsible for advising CSOSA's director on information and technology solutions that affect case management systems, management information systems, and business intelligence solutions. Prior to joining CSOSA, Dr. Johnson was a Senior Research Administrator with the University of Pennsylvania's Jerry Lee Center of Criminology, Director of Research in the Executive Office of the Mayor of the District of Columbia, and a Research Associate with The Urban Institute.

Melissa R. Johnson coordinates the Gang Awareness and Prevention Program for the New Jersey Department of Corrections (NJDOC) and assists with monitoring identified inmate gang members in prison and in the community for the last two years. She compiles identification information, photos from the region, and general intelligence about street gangs for training and intelligence briefings in a geographic display. Prior to working for NJDOC, Ms. Johnson worked as a Geographic Information System Specialist for the New Jersey State Police. She compiled and analyzed sex offender information, troop allocation, COMSTAT data, and racial profiling reporting. She utilized GIS to visualize sex offender registration compliance, consent decree mandates, and COMSTAT analysis. Ms. Johnson is an adjunct faculty member at Monmouth University in Long Branch, New Jersey, and is actively involved in several

professional law enforcement associations, including the International Association of Law Enforcement Intelligence Analysts, East Coast Gang Investigator's Association, and the International Association of Crime Analysts.

Joe Kabel is President of Looking Glass Analytics, a research and technology firm based in Olympia, Washington. At Looking Glass Analytics (LGAN), Dr. Kabel has managed the development of several Web-based analytic query and reporting services for public sector clients, including Internet-based mapping services. In addition to technology development, he has managed a number of criminal justice studies and projects, often involving computer mapping and analysis. Currently, Dr. Kabel is the research partner in the Western Washington and Guam U.S. Attorney Districts for Project Safe Neighborhoods (PSN), a federal program aimed at reducing gun crime. He served as research partner to the Seattle COMPASS project, a NIJ initiative to build a multidisciplinary geo-referenced database related to public safety. As a partner on another NIJ grant, he provided computerized maps of inmate infractions in a large jail setting. He also served as the Site Director for the Seattle and Spokane sites of NIJ's Arrestee Drug Abuse Monitoring (ADAM) program. Prior to founding LGAN in 2000, Dr. Kabel was a Research Manager for the Washington State Department of Social and Health Services. He received his Ph.D. in Geography from Pennsylvania State University in 1992.

Joseph Kezon has been involved in the GIS field for over 21 years. He has been GIS Manager for the Chicago Police Department (CPD) for the past 5 years. Mr. Kezon manages and coordinates GIS related activity at CPD, including the Citizen Law Enforcement Analysis and Reporting (CLEAR) mapping application. The CLEAR mapping application has received a 2005 Special Achievement in GIS award from ESRI for Public Safety/Law Enforcement.

KiDeuk Kim is a doctoral candidate in the School of Criminal Justice at the University at Albany, State University of New York. His current research interests include rational choice theories, spatial attributes of crime, and quantitative methodology.

Julia Koschinsky is a Ph.D. candidate in the Urban Planning Program at the University of Illinois at Urbana-Champaign; her focus is on spatial analysis methods and housing research. She works on software documentation and training materials, and user support at the Spatial Analysis Lab; and she is a teaching assistant in the spatial analysis workshops. Ms. Koschinsky's background is in political science, sociology, data analysis, and GIS. She holds Master's degrees from the Free University of Berlin, Germany, and the University at Albany, State University of New York; she earned a GIS Certificate from the University of Washington at Seattle.

Apollo Kowalyk is presently a serving sworn member with the Edmonton Police Service. He has served in a variety of operational and administrative positions and as an instructor at both Athabasca University and Grant MacEwan College in Edmonton, Alberta. Since 2003, Mr. Kowalyk has been involved in an ongoing research project dealing with current perceptions of community policing, its shortcomings, and the evolving socio-cultural environment in which public policing operates. His operational experience includes duties associated with front-line patrol work, as well as those responsibilities assigned to related supervisory positions. Having worked in an administrative position with persons involved in

statistical analysis and crime mapping, he is familiar with problems associated with implementing operational activities based on the analysis of crime mapping data. Mr. Kowalyk is a graduate of the University of Alberta with a Master's degree in Sociology.

Nancy G. La Vigne is a Senior Research Associate at The Urban Institute, where she directs several projects related to mapping and prisoner reentry, including the Reentry Mapping Network, a consortium of 12 sites across the country that are mapping and analyzing reentry and corrections data to help inform the efforts of corrections officials and service providers. Her other research interests include situational crime prevention and community policing. Prior to assuming her current position, Dr. La Vigne was founding director of the National Institute of Justice's Crime Mapping Research Center; she also served as a consultant with the Police Executive Research Forum, the National Council on Crime and Delinquency, and the National Development and Research Institute. Dr. La Vigne has authored articles in journals, chapters in edited volumes, and textbooks and monographs in the areas of prisoner reentry, spatial analysis, policing, and crime prevention. She serves on a number of national advisory boards, including those for the Center for Spatially Integrated Social Sciences, the Allegheny County Jail Collaborative study, and the Institute of Higher Education Policy's Prisoner Access to Postsecondary Education study. Dr. La Vigne holds a Ph.D. from Rutgers University, a Master's degree from the LBJ School of Public Affairs at the University of Texas, and a B.A. from Smith College.

James L. LeBeau is a Professor in the Center for the Study of Crime, Delinquency, and Corrections and is associated with the Department of Geography at Southern Illinois University at Carbondale. His systematic and technical specialties include GIS, the geography of crime and criminal justice, land use analysis, mapping, spatial statistics, statistics, time and urban geography. Dr. LeBeau's research interests and publications have pertained to the geographical behaviors of rapists in general, and serial rapists in particular, in San Diego, California; mapping and assessing the spatial patterns and temporal rhythms of violence and high frequency calls for police service; the oscillation of calls for service and domestic disputes with frontal systems, heat stress, and temperature change; and the spatial-social impacts of police sting operations. He recently completed an NIJ study that demonstrated the analytical utility of GIS for policing; this grant examined new methods for visualizing spatial change; defining and analyzing hazardous areas; examining the impact of a natural disaster on the spatial patterns of demands for services; and assessing the criminality of specific places.

Jay Lee is currently Professor and Chair of the Department of Geography at Kent State University. He teaches GIS courses, ranging from Introduction to GIS, Advanced GIS, Spatial Programming, Spatial Algorithms, to Urban Information Systems and Methodology. His research projects for various federal, state, and county agencies include digital elevation models, Web-based GIS, water quality, watershed management, GIS data QA/QC, urban growth and simulation, and urban crime. Dr. Lee received his Ph.D. in Geography from the University of Western Ontario.

Christine Leist is the GIS Researcher in the Forensic Analysis Unit of the London Metropolitan Police Service (Scotland Yard). This pioneering unit was created to exploit the benefits that forensic science is bringing to the investigation and analysis of volume crime, such

as burglary and robbery. In her current position, Ms. Leist combines her skills in GIS with cutting-edge developments in forensic science to develop analytical products in respect to crime scene/serial offender linking. From February to June 2004, she worked on an anti-poaching project in the Serengeti National Park, Tanzania, developing her skills in GIS through the use of ArcView GIS. Ms. Leist had hoped to pursue a career in crime mapping, in her home country, Germany, but found there to be few opportunities within the German Police Service. She undertook her M.Sc. in Geography at the University of Eichstaett, Germany, focusing on social and urban issues. Thereafter, she undertook an Akademische Geoinformatikerin (UNIGIS) credential through the University of Salzburg.

Michael Leitner is an Assistant Professor in the Department of Geography and Anthropology, Louisiana State University (LSU) in Baton Rouge; he has been working in Geographic Information (GI) Science and related fields in the U.S. and Europe for about 20 years. His research interests fall into the area of Geographic Information Science and Technology (GI S&T) applied to criminology, medical geography, forensic sciences, and geomarketing. He has taught primarily GI S&T courses, including computer cartography, map design, GIS, GPS, aerial photo interpretation, and spatial analysis. Dr. Leitner is the current vice chair of the Cartography Specialty Group of the Association of American Geographers and a member of the Editorial Board of *Cartographic Perspectives* and *Cartography and Geographic Information Science*. He received his B.A. and M.A. in Geography and Cartography from the University of Vienna in Austria. With the financial assistance of a Fulbright Scholarship, he completed a second M.A. in Geography with emphasis in Computer Cartography and Geographic Information Systems and his doctoral degree at the University at Buffalo, State University of New York.

Ned Levine is Transportation Safety Coordinator at the Houston-Galveston Area Council. He is also Director of Ned Levine & Associates of Houston, Texas. He is the developer of CrimeStat, which is distributed by the National Institute of Justice. Dr. Levine has extensive experience with crime analysis and with GIS technology; he has more than 40 years of academic and research experience. Among his criminal justice research are studies of transit crime and crime in university dormitories. Dr. Levine has more than 60 publications in journals and books.

Daniel Lockwood is Associate Professor of Criminal Justice at Savannah State University, where he teaches Crime Analysis. He has been mapping violent crime in Savannah since 1998. Dr. Lockwood has numerous publications on violence and has received research grants from the National Institute of Justice and the National Science Foundation to study violence. He received his Ph.D. from the University at Albany, State University of New York, School of Criminal Justice.

Anthony J. Luongo is Associate Director of the Criminal Justice Training Programs in the Department of Criminal Justice at Temple University, Philadelphia, Pennsylvania. He has been employed by the Department of Criminal Justice for eight years. Mr. Luongo has served as a police officer, has developed curriculum for the Pennsylvania Legislative Security Officers' Basic Training Program, the Pennsylvania Constables Basic and Continuing Education Programs, and the Pennsylvania Deputy Sheriffs' Basic and Continuing Education Programs,

including new topics such as “Technology in Law Enforcement.” Mr. Luongo has also taught in the Temple University Municipal Police Academy and Deputy Sheriffs’ Continuing Education Program, and was contracted by the Pennsylvania County Probation and Parole Officers Firearm Training Commission to assist in the writing of their basic firearms program. He teaches one to two academic undergraduate courses for the Department of Criminal Justice each semester. Mr. Luongo holds Bachelor’s and Master’s degrees in Criminal Justice from Temple University and is presently a doctoral student in Criminal Justice at the same institution.

John D. Markovic is a Project Manager with the International Association of Chiefs of Police, currently working on a project addressing promising practices in civil rights protections by local police agencies. Mr. Markovic is also a specialist in mapping in a variety of law enforcement and social science contexts. He has previously worked with New York state in the development of a cross-jurisdictional crime mapping application, and he worked in both New York City and Chicago on the use of GIS to support social science research and policy analysis. Mr. Markovic has an M.A. in Criminal Justice from the University of Illinois at Chicago.

David Martin is a Research Professor at Wayne State University’s College of Urban, Labor, and Metropolitan Affairs’ Center for Urban Studies. He possesses expertise in computer programming and the use of geographic information systems (GIS) for public policy analysis and crime mapping. His current projects focus on the use of crime mapping by law enforcement and community-based organizations to prevent and control crime. He is the author of *Crime in Metropolitan Detroit* and has published several articles and book chapters on GIS and crime mapping. Dr. Martin helped develop GIS capabilities within the Detroit Police Department and is currently working with the Wayne County Prosecutor’s Office on an initiative to reduce gun violence.

Christopher D. Maxwell is an Associate Professor in the School of Criminal Justice at Michigan State University and is Associate Research Scientist in the Institute for Social Research at the University of Michigan, where he is also the Director of the National Archive of Criminal Justice Data (NACJD). Dr. Maxwell’s research interests include testing for the benefits and costs of sanctions and therapeutic treatments for spouse abusers, the impacts of police and court services on victims of domestic violence, the epidemiology of violence against women by intimates, and the extent and correlates of sexual assault by and against adolescents. His research is funded by the Centers for Disease Control and Prevention, the National Institute of Justice, the Bureau of Justice Statistics, the H. F. Guggenheim Foundation, and the State of Michigan. He has published in many journals including *Criminology*, *Criminology and Public Police*, *Justice Quarterly* and *Journal of Quantitative Criminology*. Dr. Maxwell earned B.A. degrees in Psychology, Sociology and Criminal Justice from Indiana University-Bloomington, and his M.A. and Ph.D. degrees in Criminal Justice from Rutgers University.

James W. Meeker is a full professor in the Criminology, Law and Society Department and is currently the Associate Dean of the School of Social Ecology at the University of California, Irvine (UCI). He is an ex-officio member of the California Commission on Access to Justice and serves on the board of directors for the Public Law Society of Orange County. He served as Director of the Orange County Gang Incident Tracking System, a cooperative effort between UCI and the Orange County Chiefs & Sheriff Association, tracking gang crime in

Orange County from 1994 to 2001. His research interests include the sociology of law, criminology, and applied research methodology and statistics with particular emphasis on policy analysis. Currently, Dr. Meeker is working on Geographic Information Systems and the application of this technology to the analysis of gang incidents in Orange County. In addition, he is applying this technology to the analysis of legal needs in the poverty community and the delivery of legal services by legal aid organizations. Dr. Meeker is also involved in two major projects involving multiple agencies and the sharing of data applying GIS technology in solving social problems. One is a NIJ COMPASS grant involving San Bernardino County law enforcement agencies and the other is a Legal Services Corporation funded project involving Southern California legal aid programs. Dr. Meeker has published in the area of gangs, fear of gangs and crime, procedural justice, access to justice for the poor, legal services delivery mechanisms, domestic violence and the impact of criminological research on policy, and prosecutorial strategies against organized crime. He received his Ph.D. in Sociology and J.D. from the University at Buffalo, State University of New York.

Kristen M. Mikelbank is a Research Assistant at the Center on Urban Poverty and Social Change within the Mandel School of Applied Social Sciences at Case Western Reserve University. Her principal role is to provide research support on various projects, particularly in the areas of quantitative spatial analysis and Geographic Information Systems. In addition, she helps prepare the indicators in the Cleveland Area Network for Data and Organizing (CAN DO) database. Ms. Mikelbank has worked on many projects, including assessing child and adult literacy, analyzing demographic shifts in population, evaluating services for the early childhood population and their families, and examining juvenile court data. She was also a member of the research team that studied local drug markets in Cleveland, Ohio, for NIJ. Prior to joining the Center on Urban Poverty and Social Change in 2001, Ms. Mikelbank spent two years working at the Children's Defense Fund – Ohio as a research assistant, conducting policy-relevant research related to the well-being of children. She has a Bachelor's degree in Geography and Environmental Studies from Middlebury College and a Master's degree in Geography from Ohio State University.

Lois Felson Mock is a Senior Social Scientist in the Office of Research and Evaluation of the National Institute of Justice. She joined the Institute in 1972 and has been involved in criminal justice research since that time, especially in the areas of firearms, violence, policing, crime prevention, white collar and organized crime, and more recently, terrorism. She has written numerous papers, articles, and reports on these topics and manages NIJ's extensive research program on firearms and violence. She is currently on the core team coordinating the implementation of the major DOJ/ATF Project Safe Neighborhoods, an initiative to reduce gun violence in all 94 U.S. Attorney Districts. Ms. Mock is involved in other comprehensive problem-solving/action research, and evaluation programs as well. She belongs to the American Society of Criminology, the Academy of Criminal Justice Sciences, and the Homicide Research Working Group, and is past President of the International Association for the Study of Organized Crime. She completed her undergraduate work at Oberlin College and her graduate work at the University of Michigan.

Fraser Moffatt is the Manager of Research and Corporate Statistics for the Canada Border Services Agency in Ottawa. Prior to this posting, Mr. Moffatt was a member of the

Corporate Planning Unit of the Ottawa Police Service from 1998 to 2005. During his time with the Ottawa Police Service, he was involved with a wide range of activities, including leading a data warehouse implementation project focusing on patrol resource management and crime analysis; research, development and implementation of crime mapping capabilities for crime analysis personnel; chair of an internal crime information committee responsible for addressing data integrity issues, information production and dissemination; academic research into the feasibility of using spatial predictive modeling for crime prevention purposes. In his position as Manager of Crime Analysis and as Resource/GIS Analysis Coordinator, Mr. Moffatt was responsible for all analysis relating to resource deployment, production and dissemination of statistical analyses, mapping and spatial analysis, and training and best practices for the Crime Analysis Unit. He holds a B.A. and an M.A. in Geography from Carleton University in Ottawa.

John S. Morgan is Assistant Director for Science and Technology at the National Institute of Justice. As Assistant Director, Dr. Morgan manages the agency's science and technology portfolios and provides strategic science policy advice for the Director and the Department of Justice. Dr. Morgan directs a wide range of technology programs for criminal justice, including the President's DNA Initiative, less lethal technologies, body armor, information technology and communications. Prior to coming to NIJ, Dr. Morgan conducted research in detection and mitigation of weapons of mass destruction at the Johns Hopkins University Applied Physics Laboratory. He developed mass spectrometry systems for detection of chemical and biological warfare agents, studied methods to protect aircraft from terrorist attack, and developed building and infrastructure protection strategies. His research interests have also included non-destructive evaluation, spacecraft contamination control, high-temperature superconductivity, and high bandgap semiconductors. Dr. Morgan served eight years in the Maryland House of Delegates, serving on the Judiciary, Ethics, and Commerce and Government Matters Committees. He received his Ph.D. in Materials Science and Engineering from Johns Hopkins University in 1990; his B.S. in Physics is from Loyola College in Maryland.

Mangai Natarajan is an Associate Professor and coordinator of a major in International Criminal Justice at John Jay College of Criminal Justice, the City University of New York. She teaches a variety of courses at the graduate level, including crime mapping, problem oriented policing, and advanced criminology. Her current research interests include cross-cultural research, crime prevention, drug trafficking, and drug abuse and health issues. Dr. Natarajan began her career in drugs research at the New York City Criminal Justice Agency, where she assisted in compiling data on TNT (Tactical Narcotic Team) arrests for the Mayor's Office. She then obtained a National Institute of Drug Abuse (NIDA) post-doctoral fellowship at the National Development and Research Institutes, Inc., where she conducted research on drug treatment for women offenders, street level drug dealing, and drug use and crime. Since 1994 she has been conducting research on upper-level drug dealing in New York City, supported by a NIDA Scientist Development Award. Dr. Natarajan has authored more than 30 journal articles on a variety of topics and has recently completed an encyclopedia on women police (Ashgate Publishing). With Michael Hough, she edited *Illegal Drug Markets: From Research to Policy* (Crime Prevention Studies volume 11, Criminal Justice Press). Dr. Natarajan obtained her Ph.D. in Criminal Justice from Rutgers University.

Kevin Neimond is on the staff of the National Association of Counties (NACo), providing education and technical assistance to county officials on the use of GIS and related technologies. Prior to joining NACo, Mr. Neimond worked on local government enhanced 911 projects in Pennsylvania and was most recently employed by ESRI in Washington, D.C., assisting state and local governments with GIS implementation. He has had strong ties to the use of geospatial technologies in government throughout his career. Mr. Neimond received his B.A. in Geography from Penn State University.

Sylvia Oberle is Executive Director of the Center for Community Safety (CCS) at Winston-Salem State University. CCS was established in 2001 to continue the work of the Strategic Approaches to Community Safety Initiative (SACSI) in Winston-Salem, and to expand this problem-solving approach to other violence-related issues. Its primary goal is to promote the use of strategic analysis in creating safer communities; it is actively involved in university-practitioner-community collaboration, incorporating spatial analysis and mapping through its research lab, the Transforming Communities Research Lab.

Ms. Oberle formerly worked for the U.S. Department of Justice as project director of the SACSI initiative in Winston-Salem. She provides technical assistance for DOJ in partnership development, community engagement, and integration of research/practice in community-based initiatives. She has more than 25 years experience in public and community affairs. She has been a reporter and editor at *The Winston-Salem Journal*; senior vice president of Fyock & Associates, a communications consulting firm; and a commentator for UNC-Public Television. Ms. Oberle is an honors graduate in history and political science of Carson-Newman College in Jefferson City, Tennessee; she earned a Master's degree in Journalism with a concentration in public policy from the University of North Carolina-Chapel Hill.

Ian Oldfield is a serving Police Officer with the Metropolitan Police Service (New Scotland Yard), London, England. During his 21 years of service, he has been a patrol officer, an IT specialist, prepared and delivered Comp-stats. His main research interests are geographical profiling/environmental criminology; linkage of crime to socio-economic and demographic factors; data standards and ethical crime reporting. Currently, he is involved in the development of an Interactive Offender Profiling System in conjunction with Professor David Canter. Mr. Oldfield has built relationships with academic institutes to encourage research and in this regard has supplied police crime data to universities in England, Scotland, and Canada. In 1999, he undertook the technical design (interface) of the UK National Intelligence Model (NIM). He was formerly a board member of a UK Home Office project examining methodologies in respect to detecting stranger rapists. He is currently involved in helping the UK Police Standards Unit (PSU) develop good practice in crime mapping.

Mr. Oldfield has recently been engaged in implementing the UK National Intelligence Model. He formerly provided analysis for a Street Crime Forum chaired by the British Prime Minister. Privately, he has undertaken GIS training to crime analysts, having developed the GIS element of a training course accredited by the National Criminal Intelligence Service. The course has been delivered to a third of all British police forces and Her Majesty's Customs and Excise. Mr. Oldfield is a qualified teacher and holds a Master's degree in Information Systems. His prize winning M.Sc. dissertation represented pioneering work in the development of crime data sharing methodologies.

Miriam Olivares, a native of Mexico, is a doctoral candidate at Texas A&M University. Her dissertation project, which uses GIS mapping to analyze and deliver results, is expected to provide a tool for decision- and policymakers regarding environmental banks as a market-based instrument to achieve sustainable development. Ms. Olivares has 12 years of experience dealing with design, construction, and business management in her own architecture firm. She has worked in a private corporation as urban and housing designer for low-income housing developments in several cities in Mexico, developments subsidized through INFONAVIT, Mexican Government Agency. As an intern, she worked for the Australian Environmental Institute as main researcher to produce a preliminary methodology and report for environmental banking in Southern Australia. Ms. Olivares holds a Bachelor's degree in Architecture with Urban Design Concentration from Monterrey Tech, Mexico, and a Master of Science in Land Development with emphasis in Sustainable Development from Texas A&M University.

Kaan M.A. Ozbay is an Associate Professor at Rutgers University Department of Civil and Environmental Engineering; he is also Associate Director of the Rutgers Center for Advanced Infrastructure and Transportation (CAIT) sponsored by the Federal Highway Administration's University Transportation Centers (UTC) program. Dr. Ozbay's research interest in transportation covers advanced technology applications in ITS, incident management, development of real-time control techniques for traffic, application of artificial intelligence and operations research techniques in network optimization, and development of simulation models for automated highway systems. He is the recipient of the prestigious National Science Foundation (NSF) CAREER award, a 4-year award given to young tenure track faculty who have the highest potential for research and education. Dr. Ozbay has co-authored *Feedback Based Ramp Metering for Intelligent Transportation Systems* (Kluwer Academics, 2004). His other publications include *Incident Management for Intelligent Transportation Systems* and *Feedback Control Theory for Dynamic Traffic Assignment* (both co-authored with Pushkin Kachroo), and more than 60 papers in scholarly journals and conference proceedings. Dr. Ozbay earned his B.S. and M.S. in Civil Engineering and his Ph.D. in Civil Engineering (Transportation).

Angela M. Moore Parmley is Chief of the Violence and Victimization Research Division, Office of Research and Evaluation, at the National Institute of Justice. The staff in her division manage cooperative agreements, grants, contracts, demonstration projects, and intramural research in the areas of domestic and sexual violence, child maltreatment, elder abuse, victimization, and crime and justice in Indian Country. Dr. Moore Parmley also oversees NIJ's Violence Against Women and Family Violence Research and Evaluation Program, located within the division. In addition to her supervisory functions, Dr. Moore Parmley conducts research in the areas of domestic/intimate partner violence, intimate partner homicide, policing, and disparity in sentencing outcomes. She is also an adjunct faculty at the University of Maryland, University College. Prior to joining NIJ, Dr. Moore Parmley taught at the University of Maryland, College Park, and worked in human resources at the Federal Bureau of Prisons in New York City. She received her Ph.D. in Criminology from the University of Maryland and her B.S. and M.P.A. degrees from Pennsylvania State University.

Katrina Patterson is the Accreditation/Certification Manager in the Support Service Division of the Brunswick Police Department. Ms. Patterson attended college in Atlanta, Georgia, before taking a position with the Brunswick Police Department ten years ago.

Derek J. Paulsen is Assistant Professor of Criminal Justice and Police Studies at Eastern Kentucky University and Director of the Institute for the Spatial Analysis of Crime (ISAC) housed there. His main research interests are in the areas of GIS and policing, spatial analysis, and behavioral geography; he is currently project lead on numerous grants involving the spatial analysis of crime, including an NIJ grant to develop spatial analysis tools to assist law enforcement agencies in investigating active crime series. Dr. Paulsen has published numerous book chapters and articles on spatial aspects of crime, policing, and violent crime in such journals as *Policing and Society*, *Homicide Studies*, and the *International Journal of Police Science and Management*.

Penny Peters works for Courts and Law Enforcement Management Information System (CLEMIS), an Oakland County, Michigan, consortium that promotes communication and sharing of criminal justice information. She supports public safety technology, which includes training and deployment for all GIS driven applications for over 200 public safety agencies. Ms. Peters has been working in the mapping field for the last 17 years and has worked on a variety of projects from data conversion to preparing GIS data for computer aided dispatch (CAD), records management (RMS), and crime mapping and analysis. She obtained her B.S. in Community Development from Central Michigan University and a graduate degree in Business Information Technology (MSBIT) from Walsh College of Business.

Tim Petersen is a member of the Tucson, Arizona, Police Department (TPD) and the law enforcement lead for the COPLINK Project. In that capacity he provides law enforcement expertise and experience to the AI and COPLINK Lab members to direct their research into areas of benefit to law enforcement efforts. Detective Petersen worked for 21 years as a patrol officer and pilot in natural resource law enforcement and wildlife management in Minnesota. For the TPD, he has served as a uniformed patrol officer and a Criminal Intelligence Officer. In his CID capacity he tracked and reported on crime trends and gathered information on the activities and whereabouts of suspected criminals. As a detective, he worked in the Neighborhood Crimes Section for a little more than a year, investigating a wide variety of crime types; he was then reassigned to conduct investigations of sexual abuse of children.

Shari Lawrence Pfleeger is a Senior Researcher at RAND's Arlington, Virginia, office, where she helps organizations and government agencies understand whether and how information technology supports their mission and goals. Her publications include *Software Engineering: Theory and Practice* (2nd edition, 2001, Prentice Hall), *Security in Computing* (3rd edition, with Charles P. Pfleeger, 2003, Prentice Hall), and *Solid Software* (2001, with Les Hatton and Charles Howell, Prentice Hall). Dr. Pfleeger was for several years the associate editor-in-chief of *IEEE Software*, where she edited the "Quality Time" column, and then associate editor of *IEEE Transactions on Software Engineering*. From 1998 to 2002, she was a member of the editorial board of Prentice Hall's Software Quality Institute series. She is a senior member of IEEE, the IEEE Computer Society, and the Association for Computing Machinery.

Dr. Pfleeger earned her Ph.D. in Information Technology and Engineering at George Mason University; her M.S. in Planning and M.A. in Mathematics at Pennsylvania State University; and her B.A. in Mathematics at Harpur College, Binghamton, New York.

Jim Pingel is currently Executive Director of the Wisconsin Justice Information Sharing project. In 2004, he served as Deputy Director of the newly created Wisconsin Sentencing Commission, and he led the effort to integrate disparate sources of sentencing data from the courts and the Department of Corrections. He also conducted preliminary research into sentencing trends across Wisconsin, publishing a series of "Snapshots on Sentencing in Wisconsin." Prior to his work with the state of Wisconsin, Mr. Pingel served the city of Milwaukee in several capacities. From 2001 to 2003, he was Project Director of Milwaukee's NIJ-funded COMPASS Project. He also worked for the Milwaukee Police Department, as its Budget and Finance Manager from 1998 to 2001. Mr. Pingel has a Master's degree in Public Administration from the University of Wisconsin's Robert M. LaFollette School of Public Affairs.

Michael D. Porter is pursuing a Ph.D. degree at University of Virginia. His current research interests include statistical pattern recognition, spatial stochastic processes, and change point detection. He received his B.S. degree from Purdue University and his M.S. degree from Vanderbilt University.

Jerry Ratcliffe is Associate Professor of Criminal Justice at Temple University in Philadelphia. Before a winter mountaineering accident necessitated a move to academia, he spent 11 years as a police officer with the London Metropolitan Police. He has lectured on police intelligence in Australia and coordinated that country's National Strategic Intelligence Course for some years. Mr. Ratcliffe's books include *Strategic Thinking in Criminal Intelligence*, *Policing Illegal Drug Markets* and *GIS and Crime Mapping*. He has B.S. and Ph.D. degrees from the University of Nottingham; he is a Fellow of the Royal Geographical Society.

Lou Reedt is Acting Director of the Office of Policy Analysis at the U.S. Sentencing Commission, where he was originally employed as a Senior Research Associate in 1994. Prior to his employment at the Commission, Dr. Reedt was Director of Survey Research and Program Evaluation with the Maryland AIDS Administration. He spent four years as Director of the Kent County (Maryland) Addiction Services, and he worked eight years for the Maryland Division of Corrections providing counseling to substance abusing inmates. Dr. Reedt received B.A. and M.A. degrees from Washington College and a Doctor of Science degree from the Johns Hopkins University School of Hygiene and Public Health.

George F. Rengert is Professor of Criminal Justice at Temple University in Philadelphia, Pennsylvania. A geographer by training, he is one of the founders of the modern field of spatial analysis in criminology. His area of specialty is the spatial and temporal behavior of property criminals. Dr. Rengert is currently working on the application of geographic information systems to urban crime control. His publications include *Suburban Burglary: A Tale of Two Suburbs* (Charles Thomas); *The Geography of Illegal Drugs* (Westview Press); *Suburban Burglary: A Time and a Place for Everything* (Charles Thomas); *Metropolitan Crime Patterns* (Willowtree Press); *Crime Spillover* (Sage), *Campus Security: Situational Crime Prevention in*

High-Density Environments (Criminal Justice Press); and *Policing Illegal Drug Markets* (Criminal Justice Press). He holds an M.A. from Ohio State University and a Ph.D. from the University of North Carolina.

Thomas F. Rich is a Senior Associate at Abt Associates Inc. in Cambridge, Massachusetts. His experience spans criminal justice information systems, software development, criminal justice research and evaluation, school safety, and geographic information systems. In 2004, Mr. Rich co-authored a NIJ-funded report describing a methodology for evaluating geographic profiling software, which was based on an expert panel meeting convened in August 2004 to develop the methodology. Also with funding from NIJ, he directed the design, development, and implementation of School COP, a Windows-based software application for tracking and analyzing incidents occurring in and around K-12 schools. Since 2001, School COP has been widely distributed to school administrators and school resource officers through the COPS In Schools training conference series sponsored by the Office of Community Oriented Policing Services and through the Web site www.schoolcopsoftware.com. Mr. Rich also directed a NIJ-funded project in Hartford, Connecticut, that introduced crime mapping to community crime prevention organizations. Currently, he directs a four-year NIJ-funded evaluation of a school-based crime prevention program called Youth Crime Watch. Mr. Rich holds a B.A. in Mathematics from Cornell University and a M.S. in Engineering-Economic Systems from Stanford University.

Jennifer B. Robinson is an Assistant Professor at Northeastern University in Boston. Her research explores questions regarding crime from the perspective of environmental criminology; it focuses upon the geography and ecology of crime and uses ecological theory, a number of qualitative and quantitative research techniques, and geographic information systems to explain spatial patterns of crime. Under a grant funded through Project Safe Neighborhoods (PSN), Dr. Robinson recently collaborated with a number of law enforcement agencies focusing on patterns of firearm-related crimes in their jurisdictions. Other recent research examined the influences of drug free zones upon spatial and temporal patterns of drug sales arrests from 1990-1998 in Portland, Oregon. Dr. Robinson has also participated in research evaluating drug courts in the U.S.

Fred Roesel is Chief of the Bureau of Classification and Central Records for the Florida Department of Corrections, which he joined in 1977. His bureau is responsible for inmate reception, institutional classification, inmate release, inmate records, and interstate compact. During Mr. Roesel's tenure, he has initiated a systematic effort to advance the agency's utilization of technology in inmate management. His efforts resulted in the automation of classification processes to meet the challenges of population growth from 46,000 to over 82,000 inmates. The classification system is comprised of over 600 staff managing classification activities in 52 prisons, 41 work camps, and 21 work release centers. Among his current initiatives are a correctional crime mapping system and a performance-based report system for classification staff. Mr. Roesel is a graduate of the University of Central Florida with a B.S. in Criminal Justice and the University of South Florida with an M.A. in Education.

Sunghoon Roh is joining the faculty at Appalachian State University as an assistant professor in the Department of Political Science and Criminal Justice. He is currently a Korean

police officer and has served as a lieutenant for over ten years. His research interests include racial issues in the criminal justice system, spatial distribution of crime, and criminal justice policy based on GIS.

Caterina Roman is a Senior Research Associate in The Justice Policy Center at The Urban Institute. Her research interests include the role of community organizations and institutions in crime prevention and neighborhood well being; the development, maintenance, and effectiveness of community justice partnerships; drug treatment policies and programs; and the spatial and temporal relationship between neighborhood characteristics and violence. Dr. Roman is involved in evaluating programs that support the community reintegration of returning prisoners. Her work on prisoner reentry has been published in *Criminology and Public Policy*, and *Justice Research and Policy*. In addition, she recently authored two books, *Schools, Neighborhoods, and Violence: Crime Within the Daily Routines of Youth* (2004) and *Illicit Drug Policies, Trafficking, and Use the World Over* (2005). Dr. Roman received a Ph.D. in Sociology and Justice, Law, and Society from the American University.

André B. Rosay is an Assistant Professor of Justice at the University of Alaska, Anchorage. His expertise centers on juvenile delinquency, sexual assault, and quantitative research methods. For the past year, Dr. Rosay has collaborated with the Anchorage Police Department, the Alaska State Troopers, and the Forensic Nurses Association of Alaska to study the spatial patterning of violence against women. As part of this research enterprise, he has collected detailed information on the location of sexual assaults in Alaska. This information includes the location of the pick-up, assault, drop-off, and report. Most recently, these research projects have been funded by the National Institute of Justice and the Alaska Council on Domestic Violence and Sexual Assault. He has published in *Criminology* and in the *Journal of Quantitative Criminology*. Dr. Rosay received his Ph.D. in Criminology and Criminal Justice from the University of Maryland, College Park.

Kim Rossmo is a Research Professor in the Department of Criminal Justice at Texas State University, and he is Director of the Center for Geospatial Intelligence and Investigation (GII). Dr. Rossmo is also a management consultant with the Bureau of Alcohol, Tobacco, Firearms and Explosives. Formerly, he was Director of Research for the Police Foundation and Detective Inspector in charge of the Vancouver Police Department's Geographic Profiling Section. Over the course of his 21-year policing career, he worked assignments in organized crime intelligence, emergency response, patrol, crime prevention, and community liaison. Dr. Rossmo has researched and published in the areas of policing, offender profiling, and environmental criminology. His book, *Geographic Profiling*, is in its third printing with CRC Press. He is the former Vice President of the Canadian Association of Violent Crime Analysts and the Executive Vice President of the Canadian Police Association. Dr. Rossmo is also an Adjunct Professor at Simon Fraser University, a visiting professor at the University of Houston-Downtown, and sits on the editorial board for the international journal *Homicide Studies*. Recently, he completed a study on stranger rape and geo-demographics in the United Kingdom, trained the first U.S. federal law enforcement agent in geographic profiling, and began research on the geographic patterns associated with illegal land border crossings between the United States and Mexico to assist Border Patrol interdiction efforts. He holds a Ph.D. in Criminology.

Joe Ryan is Director of the Crime Mapping and Problem Analysis Laboratory at the Police Foundation. As Director, he oversees all operations of the laboratory while marketing and advancing the ideas of problem analysis, crime mapping, crime analysis, and community policing. Before coming to the Police Foundation, Mr. Ryan was Evaluation and Crime Mapping Program Manager at the Washington/Baltimore High Intensity Drug Trafficking Area. In both positions, he completed projects with all levels of law enforcement and criminal justice, including the FBI, DEA, ATF, U.S. Customs, Maryland State Police, and District of Columbia Metropolitan Police Department. Currently, Mr. Ryan is pursuing graduate studies in the University of Cincinnati's Criminal Justice Distance Learning Program. He received his B.S. in Geography and Environmental Systems from the University of Maryland, Baltimore County.

Robert M. Samuels is currently Strategic Community Development Officer for the Office of Juvenile Justice and Delinquency Prevention. His former assignments in the U.S. Department of Justice have been in the Office of Policy Development and the Executive Office for Weed and Seed. Dr. Samuels is in his 26th year of Federal service, service that has included work at the Departments of Labor and Interior as well as the Department of Justice. He holds a B.A. in Government from Cornell University, and an M.P.A. and Ph.D. in Political Science from Harvard University.

Lauren M. Scott works as a Programmer and Product Specialist on the Geoprocessing team at ESRI. She developed all of the new tools provided in the Geoprocessing Spatial Statistics Toolbox; these are being released (with source code) as core functionality with the ArcGIS 9 product. Her experience with GIS crime analysis applications includes developing hot spot analysis spatial statistics software for the San Diego Police Department as part of a research grant in 2000, delivering several presentations on crime analysis at the ESRI and Omega User Conferences in 2004, and completing an article on spatial statistics and crime analysis for publication in the Spring issue of *ArcUser*. Dr. Scott is an active participant on the CrimeMap ListServ. She received her Ph.D. in Geography from the joint doctoral program at the University of California, Santa Barbara and San Diego State University.

Michael S. Scott is Director of the Center for Problem-Oriented Policing and Clinical Assistant Professor at the University of Wisconsin Law School, where he specializes in research and teaching in policing. He was formerly chief of police in Lauderhill, Florida; served in various civilian administrative positions in the St. Louis Metro, Fort Pierce, Florida, and New York City police departments; and was a police officer in the Madison, Wisconsin, Police Department. Mr. Scott was a Senior Researcher at the Police Executive Research Forum (PERF) in Washington, D.C. and a 1996 recipient of PERF's Gary P. Hayes Award for leadership in improving police service. He is the author of several publications, including *Problem-Oriented Policing: Reflections on the First 20 Years*; *Managing for Success: A Police Chief's Survival Guide*; and co-author of *Deadly Force: What We Know. A Practitioner's Desk Reference to Police-Involved Shootings in the United States*. Mr. Scott holds a J.D. from Harvard Law School and a B.A. in Behavioral Science and Law from the University of Wisconsin-Madison.

Michelle L. Scott is a Research Associate in The Urban Institute's Justice Policy Center. She currently serves as the project manager for the NIJ-funded An Evaluation of the ACTION Agricultural Crime Prevention Initiative and is responsible for survey questionnaire

development, monitoring data collection, and designing and conducting statistical and geographic data analyses. Ms. Scott has extensive experience in agricultural affairs, including her Master's thesis that entailed spatial analysis of the structure of U.S. agriculture in metropolitan areas in the 1990s. She is also currently working on data analysis for other NIJ-funded evaluations. Aside from her assigned projects, Ms. Scott is interested in quantitative geographic methods, statistics, and survey methodologies.

Piyusha Singh is an Assistant Professor at the School of Criminal Justice, University at Albany, State University of New York. Dr. Singh teaches courses in geographic information systems (GIS) and spatial analysis for the school's program in information technology and criminal justice. Her research focuses on crime mapping; the use of GIS and spatial analysis in policing and criminal justice research; and the link between youth and firearms. She was awarded her Ph.D. from the Heinz School of Public Policy and Management, Carnegie Mellon University, in 2002.

Brent L. Smith is Director of the Terrorism Research Center in Fulbright College and Professor of Sociology and Criminal Justice at the University of Arkansas. He and Dr. Kelly Dampousse direct The American Terrorism Study, a federally funded project that tracks federal terrorism cases in the United States. More information about the project and access to selected court case documents from terrorism cases from 1980 to the present are available on MIPT's Terrorism Knowledge Base at tkb.org.

Shellie Solomon is Chief Operations Officer of Justice & Security Strategies, Inc. (JSS), a national consulting firm specializing in issues related to domestic preparedness, law enforcement, public service, and public policy. In addition to her executive responsibilities, she conducts projects involving evaluations, research, performance measurement, resource allocation, system implementation, and Internet applications. She has expert knowledge of database, graphics and Web-based software, and provides technical support and advice to clients. Ms. Solomon has served as Deputy Director of Budget at the Census Bureau, U.S. Department of Commerce; Regional Supervisor and Senior Financial Advisor at the Office of Community Oriented Policing Services (COPS), U.S. Department of Justice; and Budget Officer at the National Institute of Justice, U.S. Department of Justice. She also served as Manager of Information Analysis at the Nuclear Energy Institute. Ms. Solomon received her M.S. degree in Public Policy Analysis from the University of Rochester, and her B.A., with highest honors in Economics from the University of Oklahoma.

Mark A. Stallo has been a member of the Dallas Police Department for over 25 years. Currently he is a Sergeant assigned to Homeland Security and Special Operations Division. Sergeant Stallo supervised the Crime Analysis Team for over 14 years. He is nationally recognized for his leadership in the crime analysis field. In 1990, he worked with a group of individuals to create the International Association of Crime Analysts (IACA); he was President of the organization from 1994 to October 2000 and continues to advise the board. He has been involved in a many projects, including technical assistance, teaching, and steering committees. Sergeant Stallo has consulted for the Government of Argentina on developing a crime analysis program for six of the largest provinces. He has also conducted training for the University of Bucharest in Romania. He is an authorized instructor for the ESRI in both ArcView and ArcGis

9. Sergeant Stallo has authored "Using Microsoft Office to Improve Law Enforcement: Crime Analysis, Community Policing and Investigations" and is co-author of "Using Geographic Information Systems in Law Enforcement." He has a B. S. in Criminal Justice from the University of Cincinnati and an M.S. in Management and Administrative Science and a Master of Public Affairs from the University of Texas at Dallas.

Terry Sterling has been employed with the Pinellas County Sheriff's Office for the past 19 years. He is currently assigned as Commander of the Strategic Planning Division and serves on the State of Florida Electronic Monitoring Protection and Crime Tracking (EMPACT) Steering Committee. This committee is charged with oversight and implementation of GPS monitoring and crime correlation within the state. Lieutenant Sterling also oversees the Crime Analysis and GIS components within the Sheriff's Office. His division provides support to the GPS monitoring and tracking of sexual offenders/predators within Pinellas County. He is also responsible for the development and implementation of the Balanced Scorecard management system within the agency and coordinating agency efforts to link the agency's budget to performance measures. Lieutenant Sterling has also served as the Commander of the Criminal Enterprise Division. Throughout his career, he has served as a supervisor in Patrol Operations; a detective in the auto theft and arson unit; a detective in burglary; a field training officer; and a K9 handler. In addition to his law enforcement experience, Lieutenant Sterling has developed various courses for local colleges with the most recent being a course in Property and Facilities Management for a Bachelor's degree program in Public Safety at St. Petersburg College. Lieutenant Sterling's educational background includes degrees in Law Enforcement and Finance. He received his Master's degree in Managerial Leadership from National-Louis University, Evanston, Illinois.

Cathleen A. Strabala, Program Manager at the National Law Enforcement and Corrections Technology Center – Northwest (NLECTC-NW), is a Certified Software Quality Engineer through the American Society for Quality. Her current projects at NLECTC-NW include Incident Commander, a software simulation of critical incidents; PIINeS, a process improvement initiative for NIJ including implementation of the new Technology Working Group (TWG) process; TWG Lead for the Modeling and Simulation Technology Working Group; and various interoperability and communications-related efforts. Ms. Strabala's expertise includes software process and product audits, project planning, and process improvement implementation. In addition to her quality assurance career, she has worked in software testing, configuration management, technical writing, and user training. Her software user training experience was a natural extension of six years of teaching kindergarten students through undergraduates.

Ms. Strabala is in her second year as president of the (Denver) Mile High Chapter of the National Defense Industrial Association (NDIA) where she chartered the chapter just over a year ago. She is also Director of Development - Western Region for Chenega Federal Systems (CFS). Ms. Strabala holds a B.S. in Information Management from Washington University-St. Louis, a B.S. in Elementary Education from Southern Illinois University at Edwardsville, a M.S. in Education from Western Illinois University, and was A.B.D. in a Ph.D. program in Education at the University of Iowa.

Richard Strait is a Principal Management Analyst assigned as the Criminal Intelligence Analyst Supervisor with the Savannah-Chatham Metropolitan Police Department. He has

partnered the Savannah-Chatham Metropolitan Police Department with the United States Attorney's Office, Southern District of Georgia, providing crime mapping information for their program Project Safe Neighborhoods (locally Project Ceasefire). This program has been a great success in the reduction of violent crime in the Savannah-Chatham area. Mr. Strait has been in his current position for eight years; he was previously with the United States Army as an Attack Helicopter Pilot and Flight Operations Officer.

Rickey Thomas has worked in the geographic information systems community for the last 13 years and has been assigned to the National Guard Bureau Counterdrug Program since 1992. He currently serves as the Technical Operations Officer. Captain Thomas is also assigned to the 116th Air Control Wing as an Intelligence Officer in the Operations Support Squadron. He received his commission in June 1997 from the Air National Guard's Academy of Military Science. He holds a B.A. in Criminology from Saint Leo College (1996).

Wendy L. Thomas is Director of the Data Access Collaborative Core of the Minnesota Population Center at the University of Minnesota. From 1990 to 2001 she was Coordinator of the Machine Readable Data Center at the University of Minnesota Libraries, providing service and support for social science data within the University; she also served as a coordinating member of the Minnesota Data Center, providing customized access to federal statistical data. In her current position, Ms. Thomas continues her role with the Minnesota Data Center and serves as a co-principal investigator on the National Historical Geographic Information Systems (NHGIS) project funded by the National Science Foundation. She is a past President of the Association of Public Data Users (APDU) and has served on the APDU Board of Directors for six years. She is the Treasurer for the International Association of Social Science Information Service and Technology (IASSIST), Vice Chair of the steering committee for the Standing Committee on Regional and Urban Statistics (SCORUS - IAOS), a member of the Data Documentation Initiative (DDI) Alliance, and serves as Co-Chair of the Structural Reform Group as well as topical working groups. Ms. Thomas holds a M.A. in Library Science and an M.B.A. in Marketing Research.

Paul Trudt is a GIS Specialist for the St. Louis County Police. He earned an M.A. and B.S. in Geography from Southern Illinois University.

Jasper J. van der Kemp is writing his dissertation on the subject of Geographical Offender Profiling at Netherlands Institute for the Study of Crime and Law Enforcement (NSCR). This project has focused on the refinement of geographical profiling, using theories and empirical work on the decisionmaking of offenders; it aims to combine the insights from journey-to-crime, environmental psychology, psychological offender profiling and geographical information systems (GIS) in both theoretical and methodological perspectives. His work is a combination of a theoretical review of the studies of traveling criminals, typologies of journeys-to-crime, and criminal decisionmaking. Empirical research is also used in this study. Analyses of police records and interviews with incarcerated offenders are part of his work. Mr. Van der Kemp's other research interests include the linkage analyses of crimes, developments in the forensic sciences, geographical analyses methods and bio-psychological theories on anti-social behavior. He received his M.Sc. in Neuropsychology in 2001.

Lorie Velarde is a Crime Analyst with the Irvine, California, Police Department. She is a trained geographic profiling analyst and has received two department commendations for her successful use of innovative methods to apprehend serial offenders. Ms. Velarde holds a Bachelor of Arts degree in Social Ecology, with a specialization in Criminology, and a Multiple Subject Teaching Credential from the University of California, Irvine. She is currently pursuing a Master of Science degree in Criminology at Indiana State University.

Peter Wagner is Co-Founder of the Open Society Institute and a Soros Justice Fellow at the Prison Policy Initiative in Northampton, Massachusetts. He is considered a leading authority on using U.S. Census data for criminal justice research. His pioneering research on how incarcerated populations influence the political redistricting process has sparked a national effort to reexamine the Census Bureau's practice of counting prisoners as residents of the prison location rather than of their pre-incarceration addresses. Mr. Wagner has published more than a dozen state-level analyses of the impact of prisoners on the redistricting process and with Rose Heyer, published a national analysis of how incarcerated populations impact county statistics for population growth, race, ethnicity, gender, and income. He writes a weekly column for the PrisonersoftheCensus.org website, the largest source of information on how Census counts of incarcerated populations impact policy making. Mr. Wagner holds a law degree from Western New England College.

Julie Wartell is the Crime Analyst Coordinator for the San Diego District Attorney's Office, where she manages a regional Internet mapping effort, directs the local Reentry Mapping Network project, analyzes crime and justice problems, and produces organizational statistics. Prior to accepting this position, she was the Project Director of the East Valley COMPASS Initiative, a regional analysis effort; worked as a crime analyst for the San Diego Police Department (SDPD) and as a researcher for the Institute for Law and Justice and the Police Executive Research Forum. She completed a Fellowship at the National Institute of Justice Crime Mapping Research Center. Ms. Wartell has performed a wide range of research on and analysis of various crime problems and police-related issues, worked on the SDPD's strategic planning effort, and coordinated the development of a series of crime mapping training modules. She has done extensive training and presentations to officers and analysts throughout the country on topics relating to crime analysis and problem oriented policing and has edited or authored numerous publications. Ms. Wartell has a Masters' degree in Public Administration with an emphasis in Criminal Justice Administration.

Deborah Lamm Weisel is an Assistant Research Professor at North Carolina State University. She teaches graduate and undergraduate classes in Applied Research Methods in Criminal Justice and Crime Analysis. Dr. Weisel has conducted numerous studies on effectiveness of policing, including studies on drug enforcement tactics, safety and security in public housing, police responses to gangs, motor vehicle theft, burglary, street prostitution, and speeding. Her publications focus on providing policy-relevant guidance to police practitioners; they include "Form and Sequence of Analysis in Police Problem-Solving" in *Crime Prevention Studies* (2003), "Assessing the Impact of Specialized Gang Units" in *Policing and Program Evaluation* (2004), and monographs on burglary, repeat victimization, and graffiti in the

Problem-Oriented Guides for Police series published by the Office of Community Oriented Policing Services. Dr. Weisel earned her doctorate in Political Science/Public Policy Analysis at the University of Illinois at Chicago.

Susan C. Wernicke is a Crime Analyst for the Shawnee, Kansas, Police Department. During her 14-year career, she has held positions in several divisions, including criminal intelligence, administration, and technical services. Previously, she worked in various capacities in the Kansas State Prison and the Kansas State Parole Office. Ms. Wernicke is the crime analysis instructor for the International Association of Chiefs of Police (IACP) and has instructed for the Southwestern Legal Foundation, ACTNow, Inc., various state and regional crime analysis associations, and for the Johnson County, Kansas, Regional Police Academy. She is currently an adjunct professor at Johnson County Community College. Ms. Wernicke is the Training Coordinator for the Mid-America Regional Crime Analysis Network (MARCAN) and served on the Executive Board for the International Association of Crime Analysts (IACA). She has contributed to various publications related to crime mapping and has authored various articles on crime analysis, including “Integrating Crime Analysis into Local Law Enforcement” (*The Police Chief*, May 2000). She is also co-author with Deborah Osborne of *Getting Started in Crime Analysis: Basics Resources for Criminal Justice Practice*.

Matthew White is Manager of the Crime Analysis Unit of the Jacksonville, Florida, Sheriff's Office, where he is supervises a unit of ten analysts. Previously, he was a management analyst with Charlotte-Mecklenburg Police Department and an instructor for the Carolinas Institute for Community Policing. He has consulted on GIS in the public and private sectors. Mr. White holds a Master's degree from Florida State University.

Raymond Wickline has been with the District of Columbia Metropolitan Police Department (MPDC) since April 2000; he has been Supervisor of the Central Crime Analysis Unit since June 2001. During his tenure, he has developed the crime analysis RMS, multi data set geocoding system, and mapping interface to support the agencies daily crime briefings, MPDC's version of COMSTAT. Previously, Mr. Wickline was a crime analyst with the Roswell, Georgia, Police Department. He earned his Bachelor's degree in Mathematics from the University of South Florida.

Douglas J. Wiebe is an instructor in the Department of Biostatistics and Epidemiology at the University of Pennsylvania. His research interests include environmental risk factors for injury, gender differences in risks for assault-related injury, and the impact of daily routines on health-related behavior. He is also a Senior Fellow at the Leonard Davis Institute of Health Economics at the University of Pennsylvania, a Scholar in Residence at the Firearm and Injury Center at Penn (FICAP), and a Faculty Associate with the Penn Institute for Urban Research. Dr. Wiebe earned his Ph.D. from the School of Social Ecology at the University of California, Irvine, and conducted postdoctoral training at the School of Public Health at the University of California, Los Angeles.

Robin K. Wilfong has been employed at the Pinellas County Sheriff's Office in the Tampa Bay area of Florida for 27 years. During her tenure, she has held positions as Radio Dispatcher, Communications Supervisor, Crime Analyst, and GIS Applications Specialist. In

November 2002, she signed up for a 2-year internship with the National Law Enforcement and Corrections Technology Center, Charleston, South Carolina, for a geographic profiling analyst program. Since then, Ms. Wilfong has appeared in *Law Enforcement Technology*, made featured analyst in the Florida Crime Intelligence Analyst Association newsletter, and has written several local and international articles. She was promoted to a Geographic Profiling Analyst in December 2003 under a Byrne Grant through the Florida Department of Law Enforcement. Ms. Wilfong teaches at St. Petersburg College, the Federal Law Enforcement Training Center in Brunswick, Georgia, and assists teaching for the Northeast Counter Drug Intelligence Program.

Ronald E. Wilson is Program Manager for the Mapping and Analysis for Public Safety program (MAPS) at the National Institute of Justice. Throughout his career, he has been involved in many aspects surrounding the use of GIS and spatial analysis as applied to crime. The first part of his career revolved around computer science and software development issues surrounding GIS. This led to his developing the analysis toolbox of a regional crime analysis known as the Regional Crime Analysis GIS (RCAGIS) now used in the Baltimore Metropolitan Region. The software application won the Al Gore's National Partnership for Reinventing Government award in 2000. The latter half of Mr. Wilson's career has involved applying and advising on spatial analysis methods as they apply to various criminological research projects at NIJ. Among the primary projects that Mr. Wilson is involved in are a policy implementation analysis to curb violent crime using spatial analysis techniques such as kernel density smoothing and spatial regression. Another research project involves the spatial analysis of the effect of religious institutions on homicide rates using classical and spatial regression methods to explain the interaction. He continues to serve as an advisor to software development and the application of spatial analysis methods in ongoing research efforts at NIJ. Mr. Wilson has also served as the chair for the Geography Working Group of the Data Documentation Initiative (DDI), an initiative to electronically markup social science data and studies. His education is in the physical, social and engineering sciences: a B.A. in Geology from Thiel College and an M.A. in Geography from Indiana University of Pennsylvania. He is currently working on a Master's degree in Software Engineering at the University of Maryland, College Park.

Michael G. Wing is an Assistant Professor in the Forest Engineering Department at Oregon State University. His research interests include the application of GIS and GPS, geographic information science, and decision support systems. Dr. Wing teaches courses and workshops in GIS, GPS, land surveying, and engineering computations at Oregon State University.

Lisa Godbey Wood was sworn in as U.S. Attorney for the Southern District of Georgia on July 30, 2004. As a U.S. Attorney, she is the chief federal law enforcement officer for the District. Ms. Wood served as a judicial law clerk for the Honorable Anthony A. Alaimo, United States District Court, Southern District of Georgia for one year before joining the Brunswick law firm of Gilbert, Harrell, Summerford and Martin in August 1991. She became a partner in the firm in 1995 and tried cases in state and federal courts for 13 years. Prior to her appointment as U.S. Attorney, Ms. Wood was appointed to serve on the Georgia Public Safety Board that oversees the Georgia Bureau of Investigation, Georgia State Patrol and Georgia Public Safety Training Center. She has served as a member of the U.S. District Court Advisory Committee since 1999. She also served on the State Bar of Georgia Judicial Evaluation Committee,

Disciplinary Review Panel, and was the former President of the Brunswick Bar. Ms. Wood is a 1990 *summa cum laude* graduate of the University of Georgia School of Law, where she served as managing editor of the *Georgia Law Review* and Chief Justice of the Honor Court. Her undergraduate degree is also from the University of Georgia.

Xiaowen Yang is a doctoral student in the Urban and Regional Planning Department at the University of Florida; she is majoring in Geographic Information Systems research. Her work seeks to explore the relationship between environment variables and burglary with the help of GIS and corresponding spatial-temporal statistics technology. Ms. Yang is a native of China and earned her Bachelor's and Master's degrees of Engineering in Urban Planning and Design from Tongji University, Shanghai.

Albert K. Yeung is Instructor in the Research and Evaluation Unit of the Ontario Police College. In this capacity, he carries out technical and social research in support of patrol training and senior and special courses offered by the College. He is organizer of the Geospatial Information for Policing Seminar hosted by the College and is lead developer of interactive instructional packages in anti-racism and diversity training, adult education, criminal investigation, and major case management. Dr. Yeung joined the Ontario civil service as a survey engineer in the Ministry of Transportation. He later moved to the Ministry of Natural Resources and the Ministry of Northern Development and Mines, where he was project manager, leading the development of computerized database systems for resource inventory, geoscientific information processing, and mining land management.

Dr. Yeung is a commissioned Ontario Land Surveyor and Ontario Land Information Professional. His recent books include *Concepts and Techniques of Geographic Information Systems* (co-author Professor C.P. Lo of the University of Georgia, Athens) and *Advanced Spatial Database Systems: Design, Implementation and Project Management* (co-author Professor Brent Hall of the University of Waterloo, Ontario), published by Prentice-Hall and Springer respectively. He graduated from the University of Hong Kong with a B.A. in Geography and a Ph.D. in Geography with specialization in Photogrammetry and Geographic Information Systems. He also undertook postgraduate studies at University College London, England, where he obtained an M.Sc. in Photogrammetry, and the University of New Brunswick, Canada, where he obtained an M.Eng. in Surveying Engineering with specialization in Land Information Management.

Edwin W. Zedlewski is the Acting Deputy Assistant Director for Research and Evaluation at the National Institute of Justice. His responsibility is shaping research and evaluation programs that result in better policy and practice nationwide. Since his arrival at the Institute in 1975, Dr. Zedlewski has served both as a researcher and an administrator on criminal justice policy, program evaluation, and organizational performance measurement. Beside his personal research on crime control policy, he has headed up NIJ's planning and management functions, managed NIJ's communication and program development efforts, and led NIJ's field test programs. Dr. Zedlewski has served on special consultant assignments to the Solicitor General of the United States, the President's Organized Crime Commission, the United States Sentencing Commission, and now, various White House Office of Science and Technology work groups on countering terrorism. Dr. Zedlewski is the author of numerous articles on program evaluation and crime control policy.

Haifeng Zhang is a third year Ph.D. student at the Department of Geography, University of South Carolina (USC), where he teaches the advanced geographic information class. His specialty is human geography and GIS. His research interests include crime mapping and analysis, spatial analysis and GIS application in social and urban areas, urban remote sensing, and hazards. Mr. Zhang is working on his dissertation, which focuses on the geographic analysis of public school performance and parental choice in South Carolina. He worked as a government employee for the Provincial Government of Shandong, China, for ten years before he came to the University of Nebraska at Omaha (UNO) for graduate study. After receiving his Master's degree, he transferred to the University of South Carolina (USC), where he worked as a research assistant for the School of Public Health for a year and a half; his main job was to conduct GIS mapping and spatial analysis. Mr. Zhang's peer-reviewed publications are in Chinese. Currently, he is working on two manuscripts: one is on geographic analysis of public/private school choice in the Columbia metropolitan area, South Carolina; the second is a neighborhood crime analysis using location quotients and density as indicators of crime.